

# VFC Dose Accountability Report Cards COVID Summary Reports

April 19<sup>th</sup> - 20<sup>th</sup>, 2023

Presenting To

30<sup>th</sup> Annual Arizona Immunization Conference

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ARIZONA DEPARTMENT  
OF HEALTH SERVICES

*Health and Wellness for all Arizonans*

Arizona  
STATE LINE

ADOPTE  
&  
JOURNEY

EMERGENCY  
PARKING  
ONLY



2017'S  
PUSH PULL  
COURTESY

Background

Implementation

Results and Impact

Plot Twists

Operations Phase

# Arizona - ASIIS



1998 - State Mandate to report immunizations

Registry – Developed and hosted by STC

VFC, VFA, CHIP, State, Private & Pandemic Fund

Sites reporting:  $\approx$  4,500

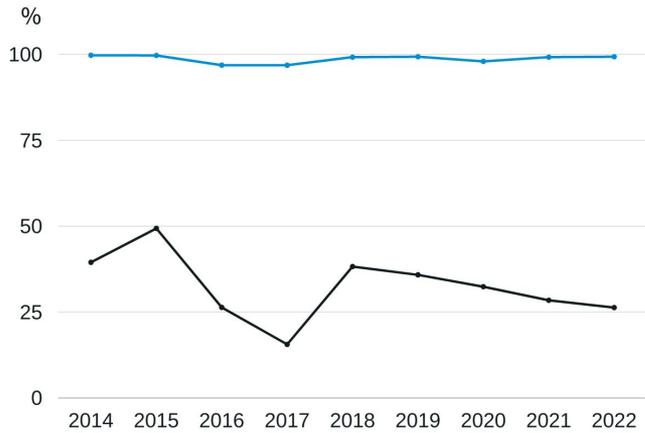
HL7 reporters:  $\approx$  3,700

VFC/VFA/COVID Providers:  $\approx$  680/90/1060

Public Vaccines shipped in 2022:  $\approx$  3,200,000

Public Vaccines Admin. in 2022:  $\approx$  4,500,000

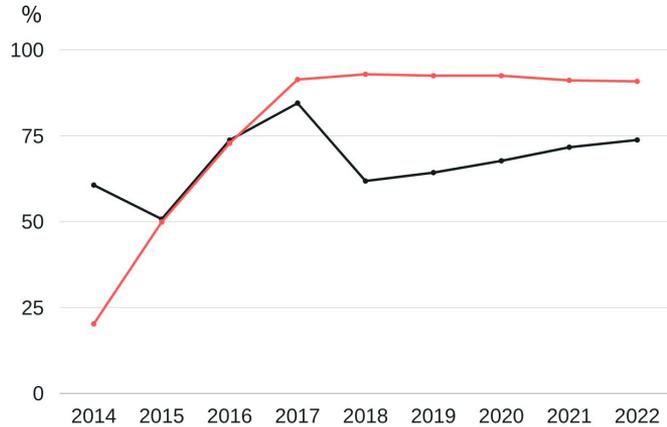
% OF PUBLIC DOSES REPORTED TO ASIIS



Manual Entry  
Decrementd from  
inventory

Manual Entry  
to ASIIS

% OF PUBLIC DOSES REPORTED TO ASIIS



HL7  
Decrementd  
from inventory

HL7

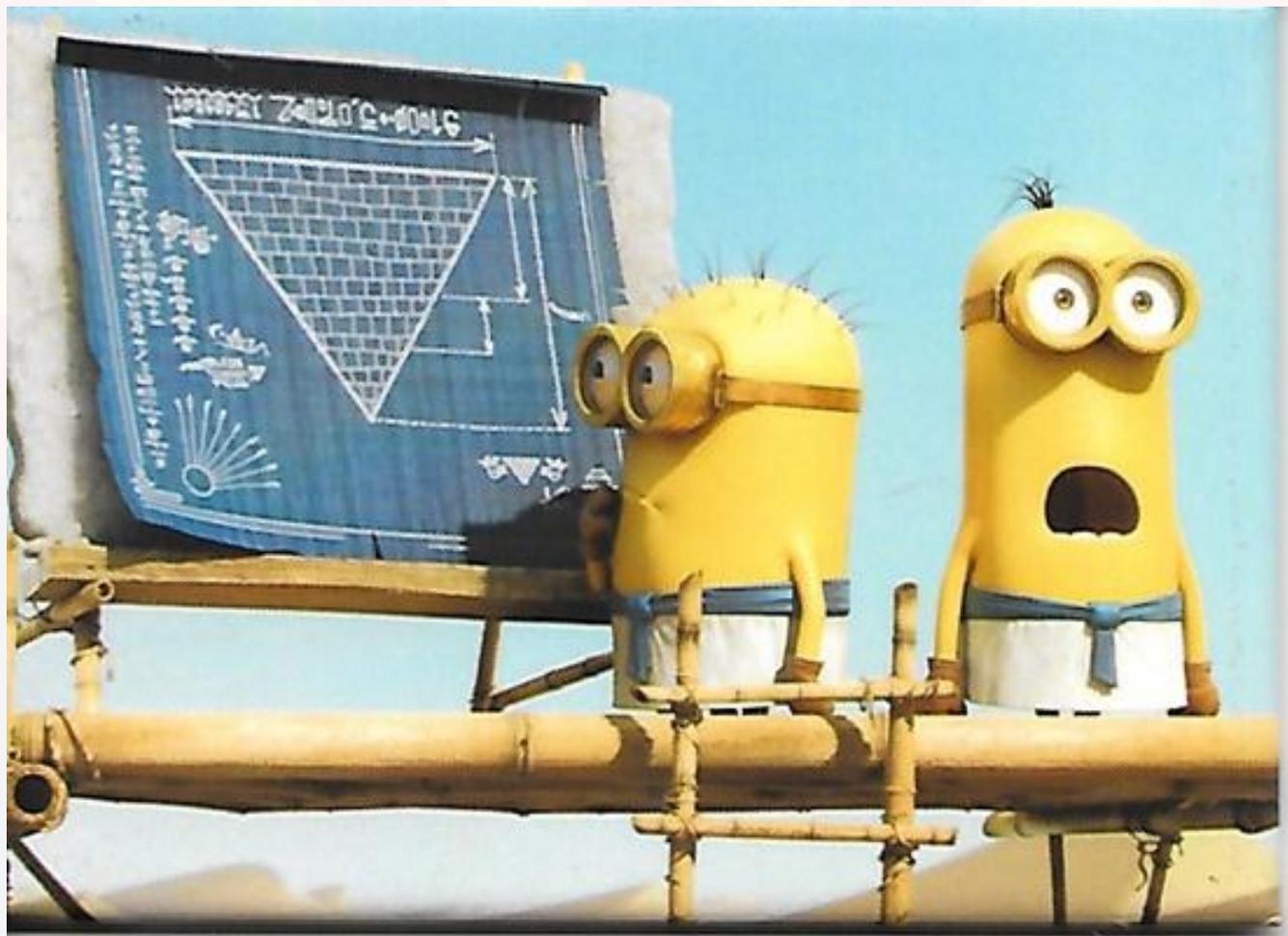
# Provider workflows prior to 2016

-  Not receiving the orders in ASIIS
-  Not reporting vaccinations at all
-  Not reporting wasted/expired
-  Writing off doses with non-acceptable reasons
-  Transferring vaccines without records in ASIIS

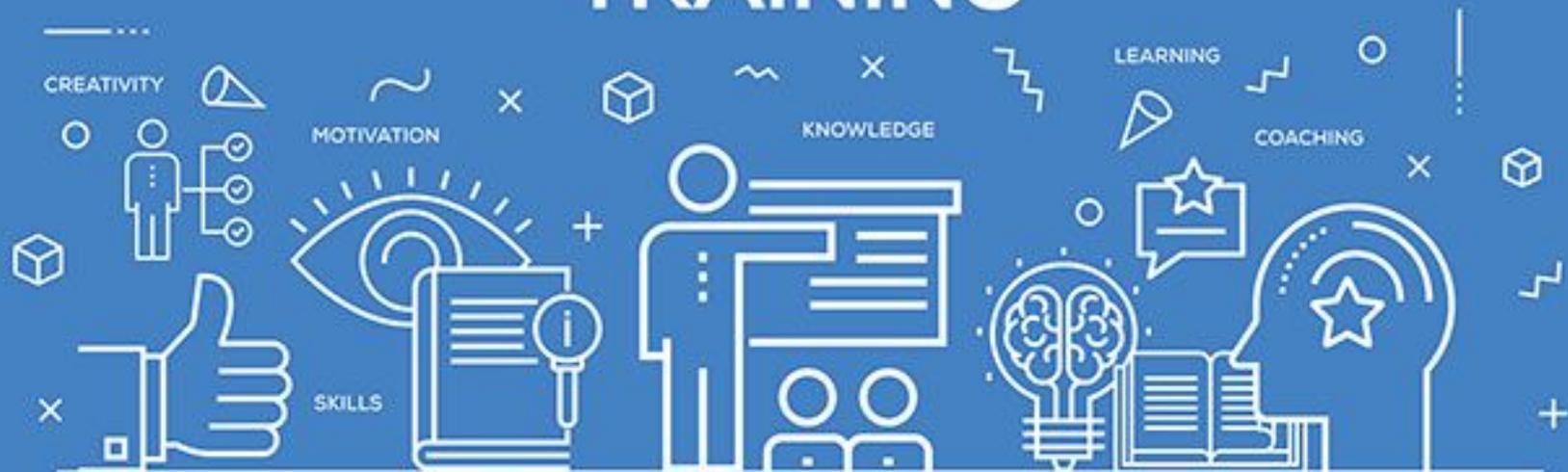
# Implementation







# TRAINING



November 2017

Regular Granicus

Admission notifications  
with parameters  
on going

Need meet  
on Flow  
Charts?

Change  
check

Ability to track  
who is doing  
what with who

mostly based on current files

Letter to Docs  
- Program expect

Done

ONE?  
electronic folder  
for all PINS

How we built  
Provider  
buy-in?

Reconciliation  
- does it matter?  
- should we continue  
to force it?

1  
Write off letter  
to offender + doc  
- Ret from AS/IS  
mail merge

Finalize DA  
Close out Process  
- 150 ready \*  
- include Ref Cost w/  
Potential Costs

Dose  
Replacement  
Plan!

When to write  
off doses? \*  
Done all we can...  
Timing - Rolling year?

Acquist  
Reasonable  
effort = ? \*  
↓  
Write off Point

2  
Trng for Cold Storage  
Skill Pending  
- explain record retention  
process - when does it  
happen?

Require  
New Staff trng  
LMS before  
Access

AIPO train  
net Steps  
Trello Cards

3  
Handling  
incidents  
- How to - AIPO

AIPO staff  
needs tools

Scripts 4  
helpdesk \*  
- w/ docs  
- w/ docs  
- w/ docs

Helpdesk assistance  
w/ DA.  
How do we get  
there?

Negative  
Doses  
Scenarios - what  
now?



# Dose Accountability Provider Report Card

Thursday, October 4, 2018

12:15:08 PM

## VFC Pin

Organization (IRMS) ID

Organization (IRMS) Name

Facility ID

Facility Name

Vaccine Expiration Year	ASIS Inventory	Doses Used	Unaccounted Doses	Annual Utilization
2015	1473	1473	0	100.00%
2016	1501	1501	0	100.00%
2017	1991	1984	7	99.65%
2018	1617	1615	2	99.88%
2019	1646	1095	551	66.52%
2020	500	261	239	52.20%
2021	10	0	10	0.00%

Summary for VFC Pin

8738

7929

809

Overall Utilization

**74.04%**



# Dose Accountability Report Card

Friday, October 18, 2019

11:17:37 PM

VFC Pin **0008**

Organization (IRMS) ID **340** Vaccine Expiration Year **2019 - CY**

Organization (IRMS) Name

Facility ID

Facility Name

\*\*\*\*\*

### The Purpose:

The report cards show the usage of VFC doses that expired in the specific period: the number of doses administered to patients as recorded in ASIIS, the number of VFC doses that remain unlinked to a patient in ASIIS and the number and the percentage of wasted doses (expired, spoiled or wasted doses).

The 2019-Q3 Report Card includes VFC doses that expired in the period between July 1st, 2019 and September 30th, 2019.

The 2019-CY Report Card includes VFC doses that expired or will expire in 2019.

The 2020-CY Report Card includes VFC doses that expired or will expire in 2020.

### Actions for providers:

Providers should use the Report Card to determine if staff are correctly utilizing ASIIS for VFC dose documentation. They should make changes to their clinic workflow processes to ensure future data is submitted correctly and VFC vaccines are not wasted. If the reported overall wastage is higher than 5%, the provider should take immediate action as this indicates a need for change.

### Why:

Providers are responsible for using ASIIS to account for all doses of VFC vaccine shipped to them. When doses aren't linked to a VFC eligible patient in ASIIS, the AIPO looks at the data to determine vaccine wastage and may hold the provider responsible for replacing wasted VFC doses with privately purchased doses at the provider's expense. More information is provided at the end of this report. The restitution policy is outlined in the VFC Operations Guide online.

\*\*\*\*\*

Description		DTAP; SDV; 10-pack					
NDC							
Lot Number Code	Lot Number	Expiration Date	Doses Received	Doses Used	Doses Wasted	Doses Unaccounted	Unauthorized Adjustments

720225	N034559	12/5/2019	280	276	0	4	0
725749	N035941	12/18/2019	140	140	0	0	0
VAR; SDV; 10-pack (24 lot numbers)			3326	3117	203	6	0

<b>Summary for VFC Pin 0008</b>			<b>45137</b>	<b>43855</b>	<b>835</b>	<b>447</b>	<b>0</b>
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**Overall Wastage: 1.8%**

## Dose Accountability Report Card Footnotes

\*\*\*\*\*

The AIPO acknowledges that providers make good faith efforts to store and handle vaccines appropriately, as outlined in the VFC Operations Guide. However, failure to properly account for the VFC vaccines entrusted to you may result in dose for dose replacement, at your expense, via private vaccine purchase.

Providers with wastage meeting one or more restitution criteria will receive a detailed invoice of vaccines that must be replaced, and the VFC Dose for Dose Replacement Form. Providers will be required to replace vaccines within 60 days of notice and return the Form along with the shipping invoice of the privately purchased vaccines.

Providers who do not adhere to this policy and have an outstanding wastage invoice beyond the allowed 60 days will lose VFC vaccine ordering privileges until they replace the wasted vaccines and submit the required documentation.

For example, doses that are removed from the inventory using “matches physical inventory”, “correction of invalid entry” “administered but not linked to a patient”, “administered but chose not to be in the registry” (without supporting documentation), as selected in the Arizona State Immunization Information System (ASIS) for reconciling VFC vaccine doses, or any unauthorized transfer of vaccine, or wasting vaccine without providing the appropriate documentation, must be replaced on a dose for dose basis.

\*\*\*\*\*

- \*Doses Received = The quantity of VFC vaccines received for a specific lot number
- \*Doses Used = VFC doses administered, reported and linked to patients in ASIS
- \*Doses Wasted = Expired, spoiled or wasted VFC doses
- \*Doses Unaccounted = Unused VFC doses still present in the ASIS inventory as active or inactive lot numbers
- \*Unauthorized Adjustments = VFC doses that are removed from the inventory using unauthorized categories and reasons in ASIS (“Matches physical inventory”, or “Administered but chose not to be in the registry” (without supporting documentation), etc.)
- \*Overall wastage = The percentage of VFC wasted doses for the quarter
- \*Vaccine restitution = The replacement of VFC vaccine doses that were lost due to provider negligence

\*\*\*\*\*



1

**November 26, 2018**

First report card sent out



2

**April 2019**

2019 Q1 and CY 2019 report cards sent

3

**Jan 2020**

2019 report cards with included Dose for Dose Vaccine Replacement Form (where applicable)

4

**October 2021**

Report card source change to Lot Number Summary Report

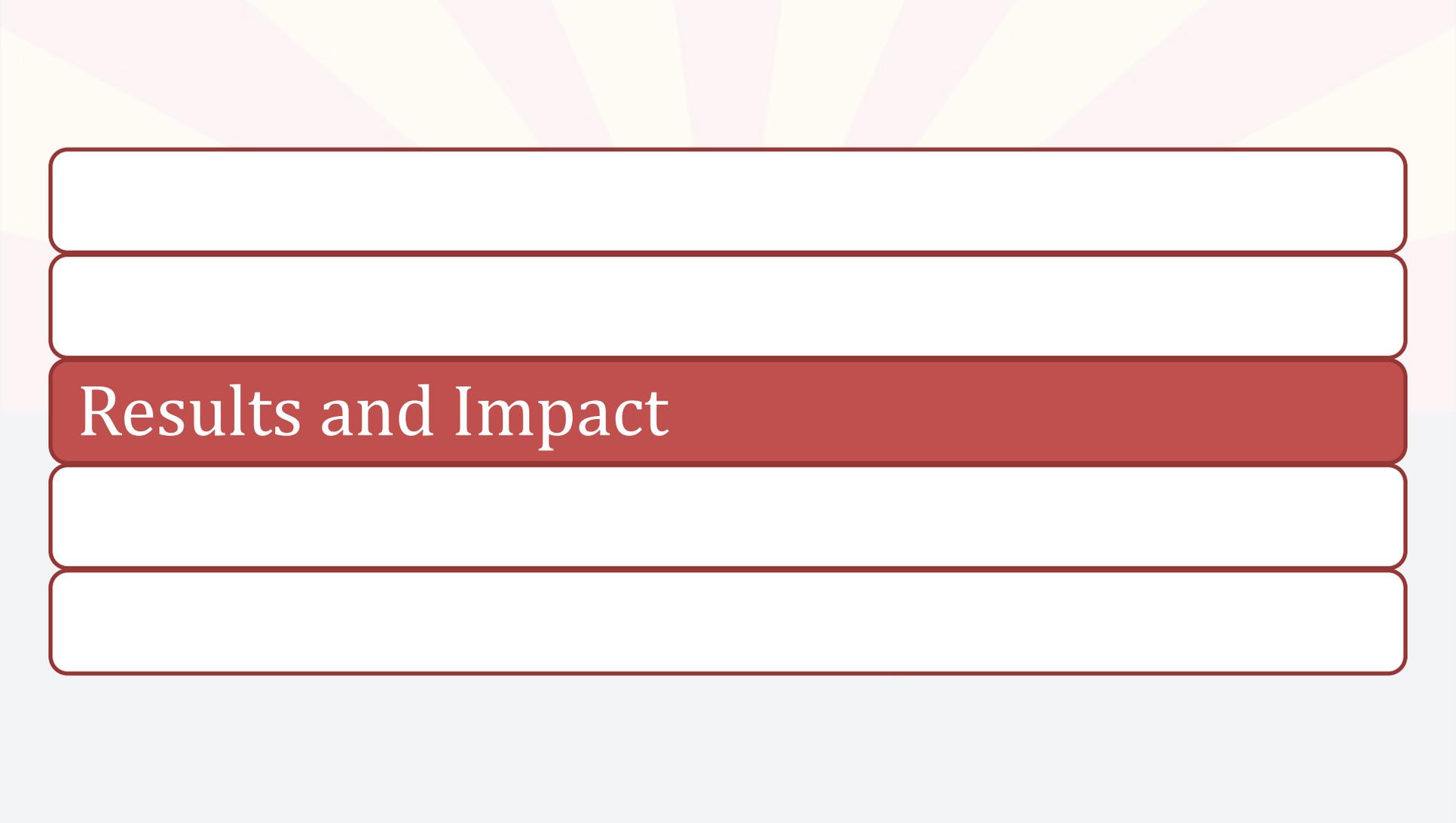


5

**September 2022**

Report card source changed to SQL after identified Lot Number Summary Report calculation errors





Results and Impact

To: VFC Providers and staff  
From: Dana Goodloe, Immunization Program Office Chief  
RE: Dose Accountability Report Cards and vaccine wastage  
Date: January 2020

Dear VFC Provider and staff,

I want to congratulate you and thank you for your efforts to ensure VFC doses are properly accounted for in ASIIS. Your year end Dose Accountability Report Card indicates your annual VFC vaccine wastage was less than five percent. That is amazing!

We know vaccine reporting can be burdensome and challenging. We know that sometimes things happen that make accurate reporting difficult. Despite challenges, you wasted less than 5% of the VFC doses that expired in 2019. That is impressive!

You should be proud of yourselves! You are among about 300 VFC providers in AZ who achieved vaccine wastage under 5%. I encourage you to keep up the great work and share your success with your colleagues and peers. We appreciate you and are grateful for you.

Sincerely,



Dana Goodloe, Chief



CONGRATULATIONS  
**ASIIS DOSE  
ACCOUNTABILITY  
CHAMPION**

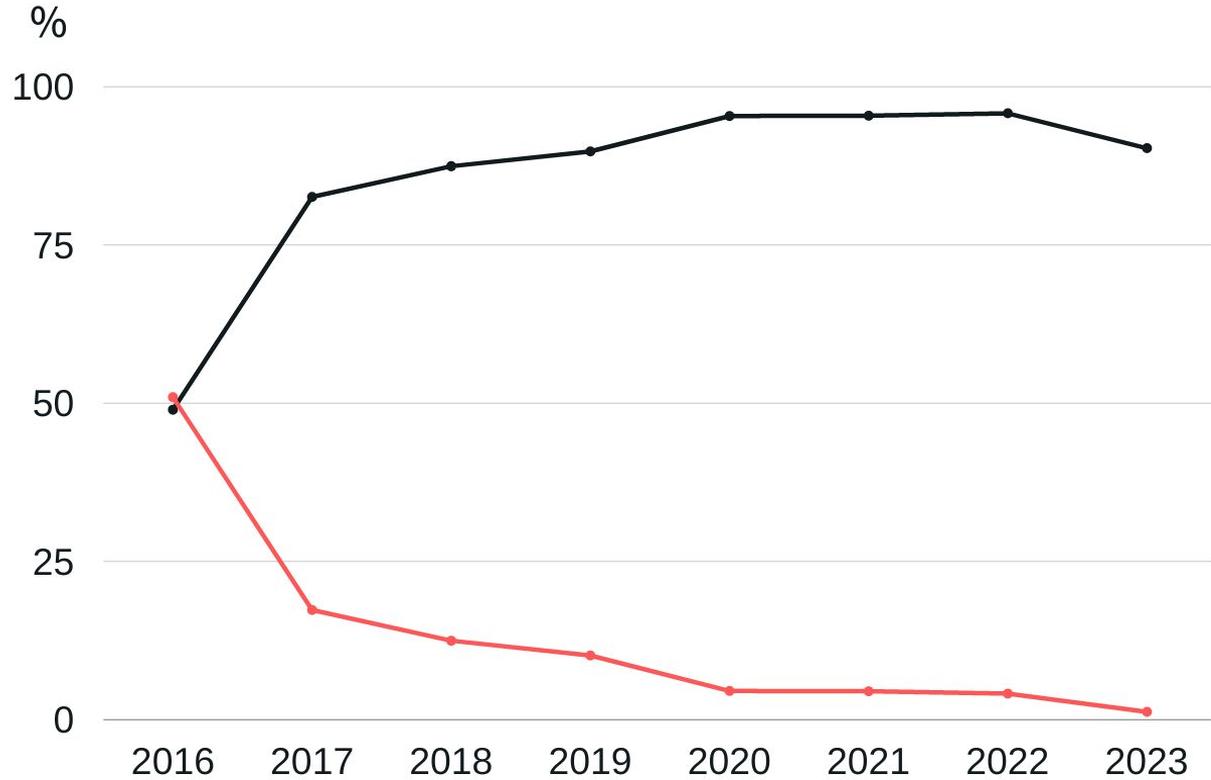
AZA 8462 - AMAZING ARIZONA VFC/VFA  
PROVIDER

**2019**



**OPPORTUNITY  
JUST AHEAD**

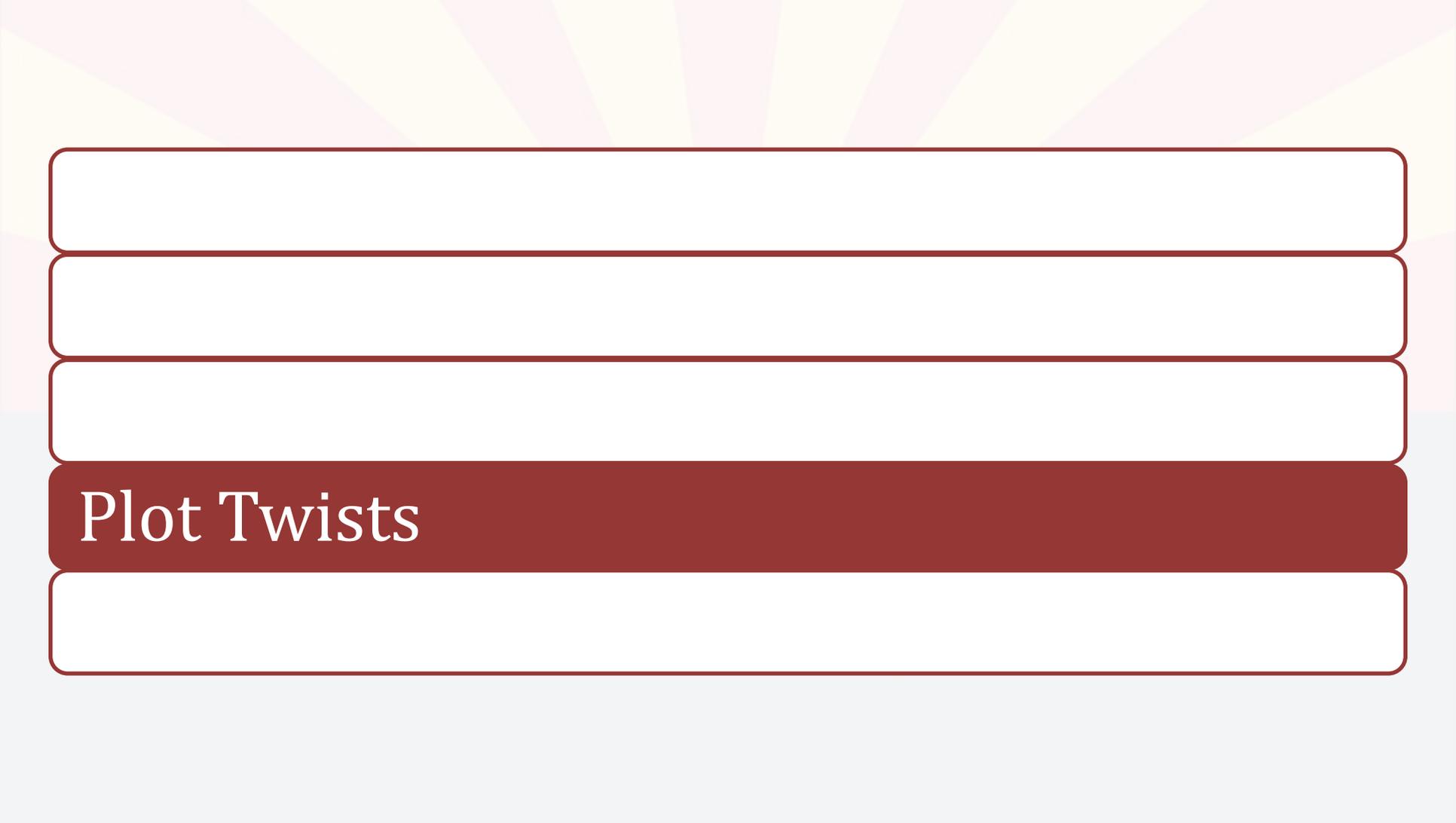
## PUBLICLY SUPPLIED DOSES



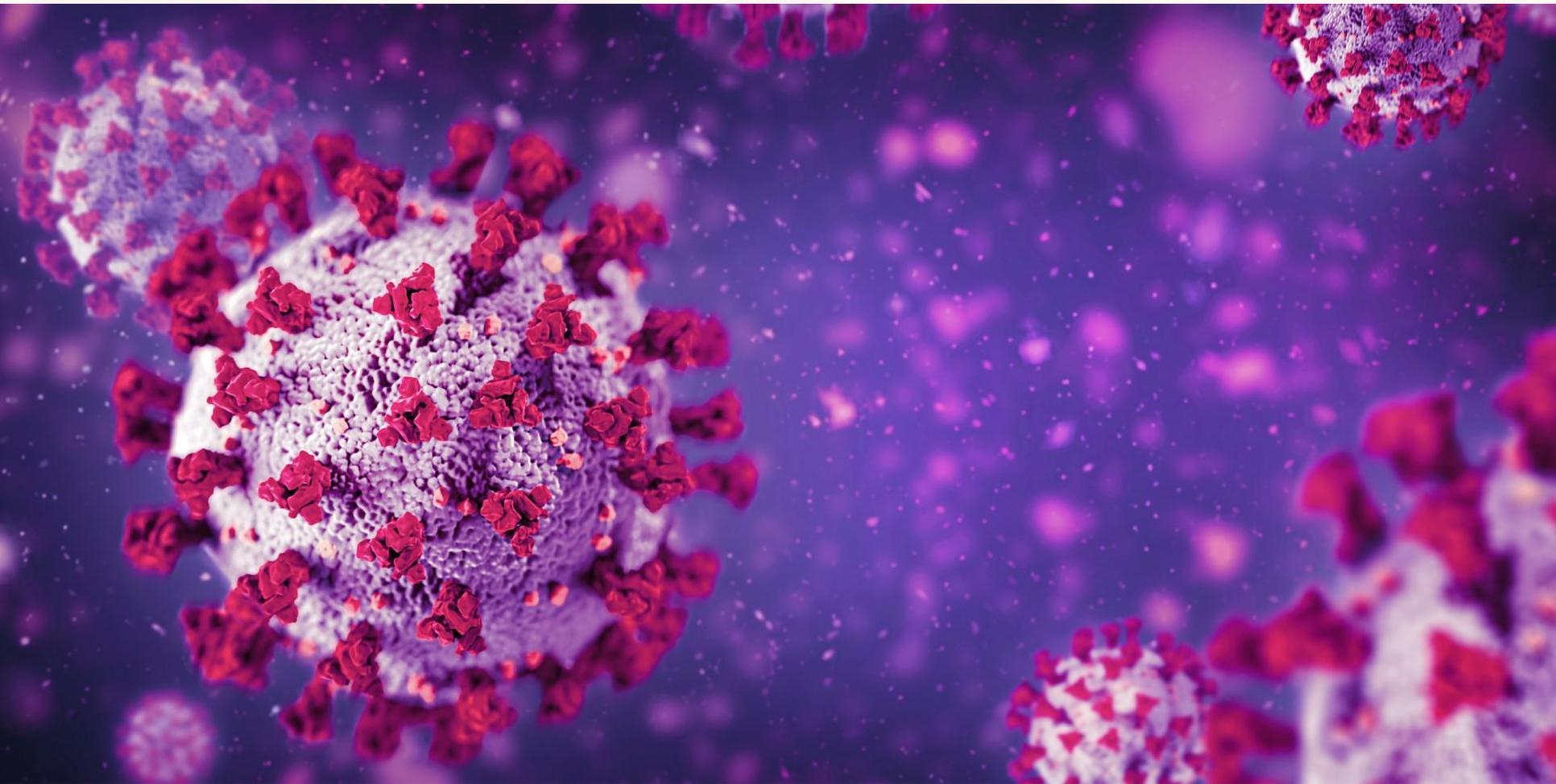
CLEANUP

# Utilization Rate

# Wastage



Plot Twists





**VOMS**

Four empty, rounded rectangular boxes stacked vertically, each with a dark red border. They are positioned in the upper half of the slide, above the 'Operations Phase' header.

# Operations Phase

# Purpose

Dose Accountability Report Cards are a quarterly review of your VFC doses in ASIIS. If there are any discrepancies with your records or physical inventory, this provides an opportunity to identify and fix them.

	Doses Received	Doses Used	Doses Wasted	Doses Unused	Unauthorized Adjustments
<b>Summary for VFC Pin 7777</b>	19604	19175	364	65	0
		97.81%	1.86%	0.33%	0%

**Wasted and Unused:** 1.86% + 0.33%

**Year End Wastage:** 2.2%

	Doses Received	Doses Used	Doses Wasted	Doses Unused	Unauthorized Adjustments
<b>Summary for VFC Pin 7777</b>	441	395	34	12	0
		89.57%	7.71%	2.72%	0%

**Wasted and Unused:** 7.71% + 2.72%

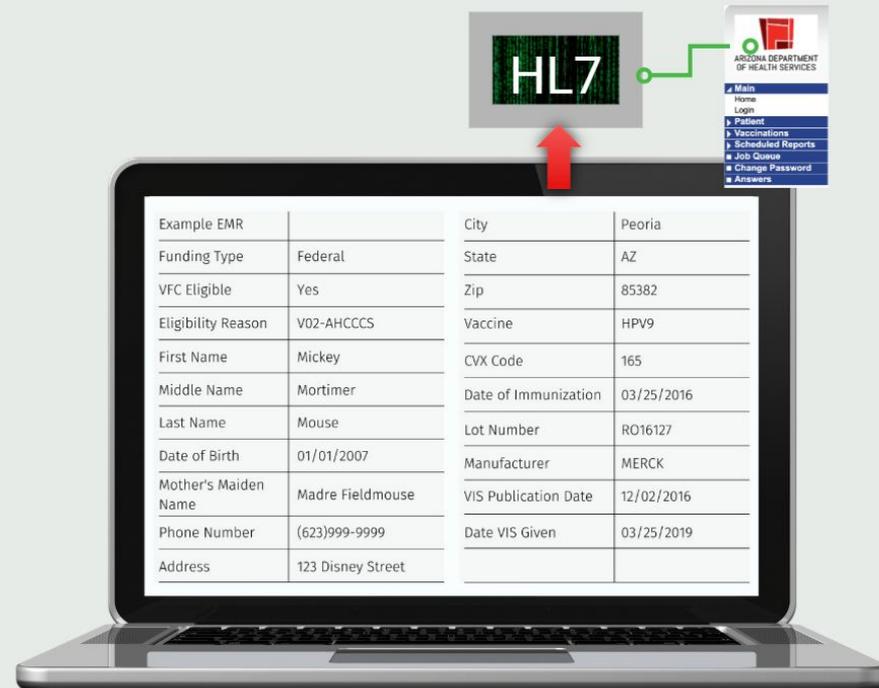
**Potential Year End Wastage:** 10.4%

# Why?

Providers are responsible to use ASIS to account for all doses of VFC vaccine shipped to them.



# Enter Record in ASIIS



- Providers should use a report card to determine if staff are correctly utilizing ASIIS for dose documentation
- Providers may enter data directly into the ASIIS website or send EMR records to ASIIS over an HL7 interface

# Reading the Report Card

- The header shows the pin, and the date the report card was run
- Below the header is the body of the report card with the purpose, action for providers, and why.
- For each lot number you will see the description, expiration date, and usage numbers. As well as, Doses received, Doses wasted, Doses used, Doses Unused, and Unauthorized adjustments
- The summary shows category totals and percentages
- The wasted and unused combined shows what could be wasted at the end of the year

ARIZONA DEPARTMENT OF HEALTH SERVICES

Dose Accountability Report Card

Monday, November 15, 2021 9:22:25 AM

VFC Pin **7777**

Organization (IRMS) ID **99999** Vaccine Expiration **2021 - CY**

Organization (IRMS) Name **The Example Clinic**

Facility ID **99999**

Facility Name **The Example Clinic**

The Purpose:  
The report cards are a quarterly review of the accounting of VFC vaccinations in ASIIS. The report cards show the number of VFC doses administered to patients as recorded in ASIIS and can help the providers complete accurate reconciliation of the VFC inventory in ASIIS.

The 2021 CY Report Card includes VFC doses that are expiring in 2021.  
The 2022 CY Report Card includes VFC doses that are expiring in 2022.

Actions for providers:  
Providers should use the Report Card to determine if staff are correctly utilizing ASIIS for VFC dose documentation. The discrepancies between your records and ASIIS should be corrected. Also, if the potential year end wastage exceeds 5% the provider should take immediate action as this indicates a need for change to ensure data is submitted correctly and VFC vaccines are not wasted.

Why:  
Providers are responsible for using ASIIS to account for all doses of VFC vaccine shipped to them. When doses are not linked to a VFC eligible patient in ASIIS, which decrements the dose from the ASIIS inventory, the AIPO looks at the data to determine VFC vaccine wastage, including unused doses and may hold the provider responsible for replacing wasted VFC doses with privately purchased doses at the provider's expense. Each site can incur up to 5% wastage of doses that expire in that year; however, once 5% is exceeded, all wasted doses will need to be replaced by the site at its expense via private vaccine purchase. The restitution policy is outlined in the VFC Operations Guide online.

Description	DTaP					
Lot Number	Expiration Date	Doses Received	Doses Used	Doses Wasted	Doses Unused	Unauthorized Adjustments
N0000000	5/23/2021	10	9	1	0	0
N0000000	7/17/2021	10	9	0	1	0

Summary for VFC Pin 7777

441	395	34	12	0
	89.57%	7.71%	2.72%	0%

Wasted and Unused: 7.71% + 2.72%

Potential Year End Wastage: 10.4%

# Reading the Report Card

Description	DTaP						
Lot Number	Expiration Date	Doses Received	Doses Used	Doses Wasted	Doses Unused	Unauthorized Adjustments	
N0000000	4/15/2023	10	9	1	0	0	
N0000000	8/15/2023	10	9	0	1	0	

## Summary for VFC Pin 7777

20	18	1	1	0
	90%	5%	5%	0%

**Wasted and Unused:** 5.00% + 5.00%

**Potential Year End Wastage:** 10.0%

# Viewing the Lot Usage & Recall Report

## Lot Usage and Recall Report

Report Criteria

Report Date: April 15, 2023

Organization:

Vaccinating Facility: All

Date Range: All

District/Region: All

Vaccine:

Manufacturer:

Lot Number:

Lot Facility:

Funding Source:

Last Name	First Name	Birthdate	SIIS Patient ID	Vaccination Date	Organization	Vaccinating Facility	Dose Size
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Total Patients Selected: 0    Total Vaccinations Administered: 0

The Lot Usage and Recall Report will generate a list of patients who are already attached (decremented) from the lot.

The Report will display:

- the **search criteria used** (I.e. vaccine type, lot number, date range)
- the **patient's last name, first name, DOB, and SIIS Patient ID**
- the patient's **vaccination date**
- the total # of **vaccines administered** & the total # of **patients selected** based off search criteria

Tip: The report also shows **dose size**; if you are having dose accountability issues, look at the dose size and ensure each patient was administered the correct dose size.

# Report Setting

**Patient Detail Report**

*Run By*

By Ownership

By Service

By Service (official vaccination record)

*Limit Report By*

Vaccination Date Range From:  Through:

Birth Date Range From:  Through:

- By **Ownership** shows patients with active status for your organization (patients your practice “owns”) and ALL vaccinations reported in the Vaccination Date Range for that patient (given outside your organization)
- By **Service** shows patients vaccinated in your facility and ALL changes for the given vaccines in the Vaccination Date Range (multiple entries for one vaccine, some decremented some not)
- **By Service (official vaccination record)** shows patients vaccinated in your facility and last version of the reported vaccines in the Vaccination Date Range

# Common errors preventing decrementing

- ❖ 5 or S | 2 or Z | 4 or A | G or 6 | 1 or l | 0 or O
- ❖ Creative receiving of multiple lot numbers in one shipment (/,-,.)
  - Lot number 1/ Lot number 2
- ❖ Transposed numbers and letters
- ❖ Extra numbers or letters
- ❖ Writing NDC number instead of lot number
- ❖ Writing lot number from the vial or syringe instead of the box
- ❖ Writing lot number from the diluent instead of the vaccine box

# Common errors preventing decrementing

## Mfg. Code (MVX code)

- Unknown manufacturer code
- Incorrect manufacturer code

## Vaccine type

e.g. Lot number is for DTaP-HepB-IPV (Pediatrix)  
yet it was reported as DTaP-IPV (Kinrix)

## VFC eligibility and Funding

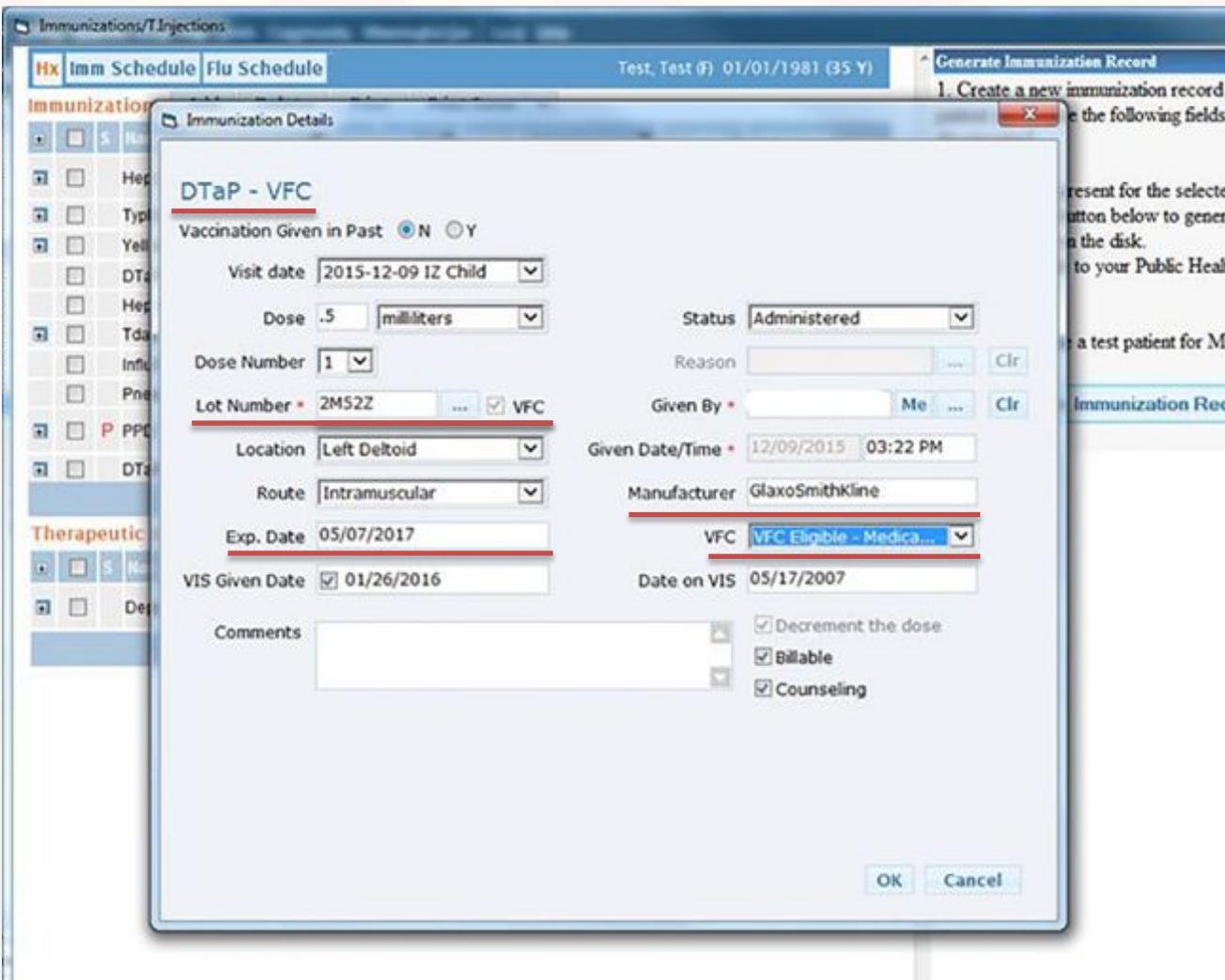
- Unknown
- Blank
- Required to screen for eligibility prior to administering vaccine

## List of Vaccine Names, Best ASIIS Selection and CPT/CVX Codes



This list matches the vaccine name or codes in Arizona State Immunization Information System (ASIIS) with the brand name or other common names of the vaccines you use most often.

Vaccine trade name or common name	Fund	Best ASIIS Selection	Age (Range)	Dose	Route	Manufacturer/ NDC Number	CPT Code	CVX Code
<b>Combination Vaccines</b>								
Vaxelis™	VFC	DTaP,IPV,Hib,HepB	6 weeks - 4 years	0.5 ml	IM	Merck – MSD NDC: 63361-0243-10 (10 pack, 1 dose vial) NDC: 63361-0243-15 (10 pack, 1 dose syringe)	90697	146
Quadracel™	VFC	DTaP-IPV	4 - 6 years	0.5 ml	IM	Sanofi Pasteur – PMC NDC: 49281-0562-10 (10 pack, 1 dose vial)	90696	130
Kinrix®	VFC	DTaP-IPV	4 - 6 years	0.5 ml	IM	GlaxoSmithKline – SKB NDC: 58160-0812-52 (10 pack, 1 dose T-L syringe)	90696	130
Pediarix®	VFC	DTaP-HepB-IPV	6 weeks - 6 years	0.5 ml	IM	GlaxoSmithKline – SKB NDC: 58160-0811-52 (10 pack, 1 dose syringe)	90723	110
Pentacel®	VFC	DTaP-Hib-IPV	6 weeks - 4 years	0.5 ml	IM	Sanofi Pasteur – PMC NDC: 49281-0511-05 (5 pack, 1 dose vial)	90698	120
Twinrix®	VFC VFA	HepA-HepB	18 years & older	1.0 ml	IM	GlaxoSmithKline – SKB NDC: 58160-0815-52 (10 pack, 1 dose T-L syringes; No needle)	90636	104
ProQuad®	VFC	MMRV	12 months - 12 years	0.5 ml	SC	Merck – MSD NDC: 00006-4171-00 (10 pack, 1 dose vial)	90710	94
Comvax (discontinued)		Hib-Hep B	6 weeks - 15 months	0.5 ml	IM	Merck – MSD NDC: 0006-4898-00	90748	51
MenHibrix (discontinued)		Meningococcal C/Y-HIB PRP	6 weeks - 18 months	0.5 ml	IM	GlaxoSmithKline – SKB NDC: 58160-0801-11	90644	148



### Vaccination Detail Add

<b>Vaccine 1:</b>	HPV9		
<b>Date Administered:</b>	<input type="text" value="08/24/2019"/>		
<b>Historical:</b>	<input type="radio"/> YES <input checked="" type="radio"/> NO		
Provider Noted on Record:	<input type="text"/>		
Lot Noted on Record:	<input type="text"/>		
Manufacturer Noted on Record:	<input type="text"/>		
Manufacturer:	<input type="text" value="MERCK"/>	<a href="#">Click to select</a>	
<b>Lot Number:</b>	<input type="text" value="HPV9LOT20"/>		
Lot Facility:	<input type="text" value="HAPPY TESTS"/>		
Funding Source:	<input type="text" value="VFC"/>		
Facility:	<input type="text" value="HAPPY TESTS"/> x ▾		
Vaccinator:	<input type="text" value="JILL TRAINING, JILL"/> x ▾		
Anatomical Site:	<input type="text" value="Select..."/> ▾		
Anatomical Route:	<input type="text" value="Select..."/> ▾		
Dose Size:	<input type="text" value="Full"/> ▾		
Volume (CC):	<input type="text"/>		
VFC Status:	AHCCCS <b>'VFC Status' will be ignored if lot number is not VFC eligible.</b>		
District/Region:	<input type="text"/>		
VIS Publications Dates:	1. <input type="text"/> 2. <input type="text"/> 3. <input type="text"/> 4. <input type="text"/>		
Date VIS Form Given:	<input type="text" value="08/24/2019"/>		
Ordering Provider:	<input type="text" value="Sel..."/> ▾		
Comments:	<input type="text"/>		

Cancel

Save

ANY  
QUESTIONS  
?

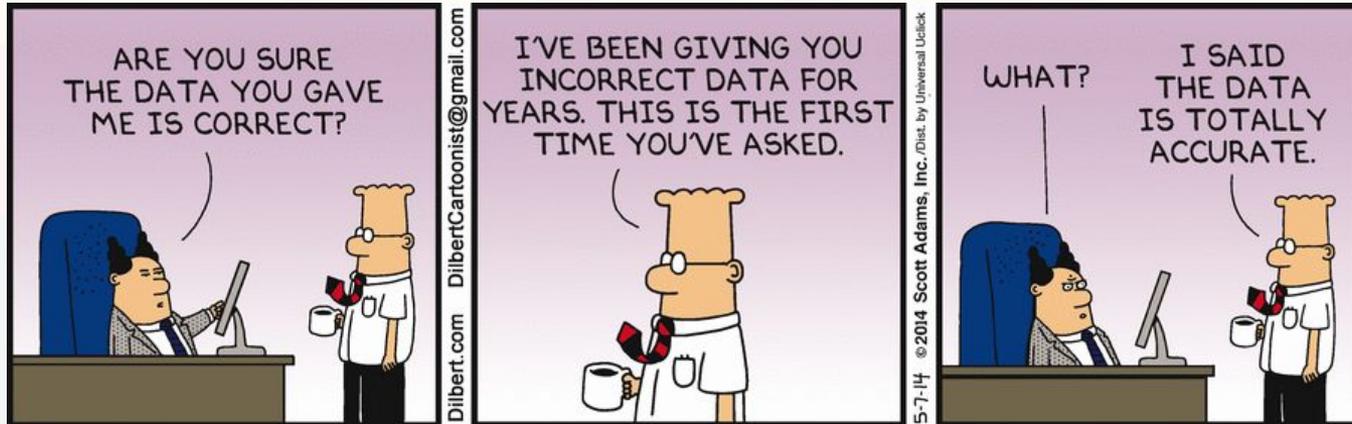
## Take-away moment

Write two things you can do or use from what you've just learned.

Circle the one you plan to do first.



# Conclusion





**Valentin Sostaric** | Immunization Data Systems Chief  
Arizona Department of Health Services

# Continuing Education Credits 4/19/23



<https://www.surveymonkey.com/r/NXT25KL>

- Follow the QR code/Link to receive CEs for this session
- Select this session from the drop down menu.
- Update sessions you attended throughout the day.
- Go to conference app or program for more information.

Pharmacist CE claim form: 2023  
Annual ADHS Arizona  
Immunization Conference



<https://forms.office.com/r/dCVCcNUW2F>